



14
030
1007

RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 09/943,944B
Source: OPE
Date Processed by STIC: 10/8/02

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.

PATENTIN 2.1 e-mail help: patin21help@uspto.gov or phone 703-306-4119 (R. Wax)

PATENTIN 3.0 e-mail help: patin3help@uspto.gov or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER
VERSION 3.1 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND
TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<<http://www.uspto.gov/ebc/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: U.S. Patent and Trademark Office, Box Sequence, P.O. Box 2327, Arlington, VA 22202
3. Hand Carry directly to:
U.S. Patent and Trademark Office, Technology Center 1600, Reception Area, 7th Floor, Examiner Name, Sequence Information, Crystal Mall One, 1911 South Clark Street, Arlington, VA 22202
Or
U.S. Patent and Trademark Office, Box Sequence, Customer Window, Lobby, Room 1B03, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202
4. Federal Express, United Parcel Service, or other delivery service to: U.S. Patent and Trademark Office, Box Sequence, Room 1B03-Mailroom, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202



Does Not Comply
Corrected Diskette Needed

OIIPE

RAW SEQUENCE LISTING

DATE: 10/08/2002

PATENT APPLICATION: US/09/943,944B

TIME: 14:02:43

Input Set : A:\Har-0651.app

Output Set: N:\CRF4\10082002\I943944B.raw

```

3 <110> APPLICANT: Ptashne, et al.,
5 <120> TITLE OF INVENTION: Transcriptional Activation System, Activators, and Uses
6   Therefor
8 <130> FILE REFERENCE: 0342941-0065
C--> 10 <140> CURRENT APPLICATION NUMBER: US/09/943,944B
11 <141> CURRENT FILING DATE: 2001-08-31
13 <160> NUMBER OF SEQ ID NOS: 238
15 <170> SOFTWARE: PatentIn Ver. 2.1
17 <210> SEQ ID NO: 1
18 <211> LENGTH: 11
19 <212> TYPE: PRT
20 <213> ORGANISM: Yeast
22 <400> SEQUENCE: 1
23 Trp Thr Asp Gln Thr Ala Tyr Asn Ala Phe Gly
24   1           5           10
27 <210> SEQ ID NO: 2
28 <211> LENGTH: 18
29 <212> TYPE: DNA
C--> 30 <213> ORGANISM: Artificial Sequence
W--> 32 <220> FEATURE:
W--> 32 <223> OTHER INFORMATION:
32 <400> SEQUENCE: 2
W--> 33 cccctctttn cnnccctc
36 <210> SEQ ID NO: 3
37 <211> LENGTH: 18
38 <212> TYPE: DNA
39 <213> ORGANISM: Artificial Sequence
W--> 41 <220> FEATURE:
W--> 41 <223> OTHER INFORMATION:
41 <400> SEQUENCE: 3
42 attccgccac cgtatttc
45 <210> SEQ ID NO: 4
46 <211> LENGTH: 6
47 <212> TYPE: PRT
48 <213> ORGANISM: Artificial Sequence
W--> 50 <220> FEATURE:
W--> 50 <223> OTHER INFORMATION:
50 <400> SEQUENCE: 4
51 Ile Pro Pro Pro Tyr Phe
52   1           5
55 <210> SEQ ID NO: 5
56 <211> LENGTH: 18
57 <212> TYPE: DNA

```

Errors: see pp. 6+7

The type of errors shown exist throughout the Sequence Listing. Please check subsequent sequences for similar errors.

18

18

RAW SEQUENCE LISTING

DATE: 10/08/2002

PATENT APPLICATION: US/09/943,944B

TIME: 14:02:43

Input Set : A:\Har-0651.app

Output Set: N:\CRF4\10082002\I943944B.raw

```

58 <213> ORGANISM: Artificial Sequence
W--> 60 <220> FEATURE:
W--> 60 <223> OTHER INFORMATION:
60 <400> SEQUENCE: 5
61 ctgcccggt ctttcttc
64 <210> SEQ ID NO: 6
65 <211> LENGTH: 6
66 <212> TYPE: PRT
C--> 67 <213> ORGANISM: Artificial Sequence
W--> 69 <220> FEATURE:
W--> 69 <223> OTHER INFORMATION:
69 <400> SEQUENCE: 6
70 Leu Pro Gly Cys Phe Phe
71 1 5
74 <210> SEQ ID NO: 7
75 <211> LENGTH: 18
76 <212> TYPE: DNA
77 <213> ORGANISM: Artificial Sequence
W--> 79 <220> FEATURE:
W--> 79 <223> OTHER INFORMATION:
79 <400> SEQUENCE: 7
80 cagctccccc cctggtta
83 <210> SEQ ID NO: 8
84 <211> LENGTH: 6
85 <212> TYPE: PRT
86 <213> ORGANISM: Artificial Sequence
W--> 88 <220> FEATURE:
W--> 88 <223> OTHER INFORMATION:
88 <400> SEQUENCE: 8
89 Gln Leu Pro Pro Trp Leu
90 1 5
93 <210> SEQ ID NO: 9
94 <211> LENGTH: 18
95 <212> TYPE: DNA
96 <213> ORGANISM: Artificial Sequence
W--> 98 <220> FEATURE:
W--> 98 <223> OTHER INFORMATION:
98 <400> SEQUENCE: 9
99 tactggccct ccccttc
102 <210> SEQ ID NO: 10
103 <211> LENGTH: 6
104 <212> TYPE: PRT
105 <213> ORGANISM: Artificial Sequence
W--> 107 <220> FEATURE:
W--> 107 <223> OTHER INFORMATION:
107 <400> SEQUENCE: 10
108 Tyr Trp Pro Ser Pro Phe
109 1 5
112 <210> SEQ ID NO: 11

```

RAW SEQUENCE LISTING

DATE: 10/08/2002

PATENT APPLICATION: US/09/943,944B

TIME: 14:02:43

Input Set : A:\Har-0651.app

Output Set: N:\CRF4\10082002\I943944B.raw

```

113 <211> LENGTH: 18
114 <212> TYPE: DNA
115 <213> ORGANISM: Artificial Sequence
W--> 117 <220> FEATURE:
W--> 117 <223> OTHER INFORMATION:
117 <400> SEQUENCE: 11
118 gagttcccct atgacttg 18
121 <210> SEQ ID NO: 12
122 <211> LENGTH: 6
123 <212> TYPE: PRT
124 <213> ORGANISM: Artificial Sequence
W--> 126 <220> FEATURE:
W--> 126 <223> OTHER INFORMATION:
126 <400> SEQUENCE: 12
127 Glu Phe Pro Tyr Asp Leu
128 1 5
131 <210> SEQ ID NO: 13
132 <211> LENGTH: 18
133 <212> TYPE: DNA
134 <213> ORGANISM: Artificial Sequence
W--> 136 <220> FEATURE:
W--> 136 <223> OTHER INFORMATION:
136 <400> SEQUENCE: 13
137 accgccgaat tccccctc 18
140 <210> SEQ ID NO: 14
141 <211> LENGTH: 6
142 <212> TYPE: PRT
143 <213> ORGANISM: Artificial Sequence
W--> 145 <220> FEATURE:
W--> 145 <223> OTHER INFORMATION:
145 <400> SEQUENCE: 14
146 Thr Ala Glu Phe Pro Leu
147 1 5
150 <210> SEQ ID NO: 15
151 <211> LENGTH: 18
152 <212> TYPE: DNA
153 <213> ORGANISM: Artificial Sequence
W--> 155 <220> FEATURE:
W--> 155 <223> OTHER INFORMATION:
155 <400> SEQUENCE: 15
156 caatttctag acgcactt 18
159 <210> SEQ ID NO: 16
160 <211> LENGTH: 6
161 <212> TYPE: PRT
162 <213> ORGANISM: Artificial Sequence
W--> 164 <220> FEATURE:
W--> 164 <223> OTHER INFORMATION:
164 <400> SEQUENCE: 16
165 Gln Phe Leu Asp Ala Leu

```

RAW SEQUENCE LISTING

DATE: 10/08/2002

PATENT APPLICATION: US/09/943,944B

TIME: 14:02:43

Input Set : A:\Har-0651.app

Output Set: N:\CRF4\10082002\I943944B.raw

```

166      1          5
169 <210> SEQ ID NO: 17
170 <211> LENGTH: 18
171 <212> TYPE: DNA
172 <213> ORGANISM: Artificial Sequence
W--> 174 <220> FEATURE:
W--> 174 <223> OTHER INFORMATION:
174 <400> SEQUENCE: 17
175 acattccctg accccttc
178 <210> SEQ ID NO: 18
179 <211> LENGTH: 6
180 <212> TYPE: PRT
181 <213> ORGANISM: Artificial Sequence
W--> 183 <220> FEATURE:
W--> 183 <223> OTHER INFORMATION:
183 <400> SEQUENCE: 18
184 Thr Phe Pro Asp Pro Phe
185      1          5
188 <210> SEQ ID NO: 19
189 <211> LENGTH: 18
190 <212> TYPE: DNA
191 <213> ORGANISM: Artificial Sequence
W--> 193 <220> FEATURE:
W--> 193 <223> OTHER INFORMATION:
193 <400> SEQUENCE: 19
W--> 194 atcggccan cncctttc
197 <210> SEQ ID NO: 20
198 <211> LENGTH: 18
199 <212> TYPE: DNA
200 <213> ORGANISM: Artificial Sequence
W--> 202 <220> FEATURE:
W--> 202 <223> OTHER INFORMATION:
202 <400> SEQUENCE: 20
203 ttggattttt cctacgtc
206 <210> SEQ ID NO: 21
207 <211> LENGTH: 6
208 <212> TYPE: PRT
209 <213> ORGANISM: Artificial Sequence
W--> 211 <220> FEATURE:
W--> 211 <223> OTHER INFORMATION:
211 <400> SEQUENCE: 21
212 Leu Asp Phe Ser Tyr Val
213      1          5
216 <210> SEQ ID NO: 22
217 <211> LENGTH: 18
218 <212> TYPE: DNA
219 <213> ORGANISM: Artificial Sequence
W--> 221 <220> FEATURE:
W--> 221 <223> OTHER INFORMATION:

```

RAW SEQUENCE LISTING

DATE: 10/08/2002

PATENT APPLICATION: US/09/943,944B

TIME: 14:02:43

Input Set : A:\Har-0651.app

Output Set: N:\CRF4\10082002\I943944B.raw

```

221 <400> SEQUENCE: 22
222 cccccaccac cctggccc
225 <210> SEQ ID NO: 23
226 <211> LENGTH: 6
227 <212> TYPE: PRT
228 <213> ORGANISM: Artificial Sequence
W--> 230 <220> FEATURE:
W--> 230 <223> OTHER INFORMATION:
230 <400> SEQUENCE: 23
231 Pro Pro Pro Pro Trp Pro
232 1 5
235 <210> SEQ ID NO: 24
236 <211> LENGTH: 18
237 <212> TYPE: DNA
238 <213> ORGANISM: Artificial Sequence
W--> 240 <220> FEATURE:
W--> 240 <223> OTHER INFORMATION:
240 <400> SEQUENCE: 24
241 ctctttgaat gaggaacc
244 <210> SEQ ID NO: 25
245 <211> LENGTH: 3
246 <212> TYPE: PRT
247 <213> ORGANISM: Artificial Sequence
W--> 249 <220> FEATURE:
W--> 249 <223> OTHER INFORMATION:
249 <400> SEQUENCE: 25
250 Leu Phe Glu
251 1
254 <210> SEQ ID NO: 26
255 <211> LENGTH: 18
256 <212> TYPE: DNA
257 <213> ORGANISM: Artificial Sequence
W--> 259 <220> FEATURE:
W--> 259 <223> OTHER INFORMATION:
259 <400> SEQUENCE: 26
260 ctgctcgaca tacctttc
263 <210> SEQ ID NO: 27
264 <211> LENGTH: 5
265 <212> TYPE: PRT
266 <213> ORGANISM: Artificial Sequence
W--> 268 <220> FEATURE:
W--> 268 <223> OTHER INFORMATION:
268 <400> SEQUENCE: 27
269 Leu Leu Asp Thr Phe
270 1 5
273 <210> SEQ ID NO: 28
274 <211> LENGTH: 18
275 <212> TYPE: DNA
276 <213> ORGANISM: Artificial Sequence

```

RAW SEQUENCE LISTING ERROR SUMMARY
 PATENT APPLICATION: US/09/943,944B

DATE: 10/08/2002
 TIME: 14:02:44

Input Set : A:\Har-0651.app
 Output Set: N:\CRF4\10082002\I943944B.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:2; N Pos. 9,10,12,13
 Seq#:19; N Pos. 10,12
 Seq#:112; N Pos. 12
 Seq#:116; N Pos. 1,2,3,11,12,14
 Seq#:117; N Pos. 9
 Seq#:204; N Pos. 3,18
 Seq#:222; N Pos. 10

Use of <220> Feature(NEW RULES):

Sequence(s) are missing the <220> Feature and associated headings.
 Use of <220> to <223> is MANDATORY if <213> ORGANISM is "Artificial Sequence" or "Unknown". Please explain source of genetic material in <220> to <223> section (See "Federal Register," 6/01/98, Vol. 63, No. 104, pp.29631-32) (Sec.1.823 of new Rules)

Seq#:2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28
 Seq#:29,30,31,32,33,34,35,36,37,38,39,40,41,42,43,44,45,46,47,48,49,50,51,52
 Seq#:53,54,55,56,57,58,59,60,61,62,63,64,65,66,67,68,69,70,71,72,73,74,75,76
 Seq#:77,78,79,80,81,82,83,84,85,86,87,88,89,90,91,92,93,94,95,96,97,98,99,100
 Seq#:101,102,103,104,105,106,107,108,109,110,111,112,113,114,115,116,117,118
 Seq#:119,120,121,122,123,124,125,126,127,128,129,130,131,132,133,134,135,136
 Seq#:137,138,139,140,141,142,143,144,145,146,147,148,149,150,151,152,153,154
 Seq#:155,156,157,158,159,160,161,162,163,164,166,167,168,169,170,171,172,173
 Seq#:174,175,176,177,178,179,180,181,182,183,184,185,186,187,188,189,190,191
 Seq#:192,193,194,195,196,197,198,199,200,201,202,203,204,205,206,207,208,209
 Seq#:210,211,212,213,214,215,216,217,218,219,220,221,222,223,224,225,226,227
 Seq#:228

VARIABLE LOCATION SUMMARY

DATE: 10/08/2002

PATENT APPLICATION: US/09/943,944B

TIME: 14:02:44

Input Set : A:\Har-0651.app

Output Set: N:\CRF4\10082002\I943944B.raw

Use of n's or Xaa's (NEW RULES):

Use of n's and/or Xaa's have been detected in the Sequence Listing.

Use of <220> to <223> is MANDATORY if n's or Xaa's are present.

in <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.

Seq#:2; N Pos. 9,10,12,13

Seq#:19; N Pos. 10,12

Seq#:112; N Pos. 12

Seq#:116; N Pos. 1,2,3,11,12,14

Seq#:117; N Pos. 9

Seq#:204; N Pos. 3,18

Seq#:222; N Pos. 10

VERIFICATION SUMMARY

DATE: 10/08/2002

PATENT APPLICATION: US/09/943,944B

TIME: 14:02:44

Input Set : A:\Har-0651.app

Output Set: N:\CRF4\10082002\I943944B.raw

L:10 M:270 C: Current Application Number differs, Replaced Current Application Number
L:30 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:2
L:32 M:258 W: Mandatory Feature missing, <220> FEATURE:
L:32 M:258 W: Mandatory Feature missing, <223> OTHER INFORMATION:
L:33 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:2
L:33 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:2
L:33 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:0
L:41 M:258 W: Mandatory Feature missing, <220> FEATURE:
L:41 M:258 W: Mandatory Feature missing, <223> OTHER INFORMATION:
L:50 M:258 W: Mandatory Feature missing, <220> FEATURE:
L:50 M:258 W: Mandatory Feature missing, <223> OTHER INFORMATION:
L:60 M:258 W: Mandatory Feature missing, <220> FEATURE:
L:60 M:258 W: Mandatory Feature missing, <223> OTHER INFORMATION:
L:67 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:6
L:69 M:258 W: Mandatory Feature missing, <220> FEATURE:
L:69 M:258 W: Mandatory Feature missing, <223> OTHER INFORMATION:
L:79 M:258 W: Mandatory Feature missing, <220> FEATURE:
L:79 M:258 W: Mandatory Feature missing, <223> OTHER INFORMATION:
L:88 M:258 W: Mandatory Feature missing, <220> FEATURE:
L:88 M:258 W: Mandatory Feature missing, <223> OTHER INFORMATION:
L:98 M:258 W: Mandatory Feature missing, <220> FEATURE:
L:98 M:258 W: Mandatory Feature missing, <223> OTHER INFORMATION:
L:107 M:258 W: Mandatory Feature missing, <220> FEATURE:
L:107 M:258 W: Mandatory Feature missing, <223> OTHER INFORMATION:
L:117 M:258 W: Mandatory Feature missing, <220> FEATURE:
L:117 M:258 W: Mandatory Feature missing, <223> OTHER INFORMATION:
L:126 M:258 W: Mandatory Feature missing, <220> FEATURE:
L:126 M:258 W: Mandatory Feature missing, <223> OTHER INFORMATION:
L:136 M:258 W: Mandatory Feature missing, <220> FEATURE:
L:136 M:258 W: Mandatory Feature missing, <223> OTHER INFORMATION:
L:145 M:258 W: Mandatory Feature missing, <220> FEATURE:
L:145 M:258 W: Mandatory Feature missing, <223> OTHER INFORMATION:
L:155 M:258 W: Mandatory Feature missing, <220> FEATURE:
L:155 M:258 W: Mandatory Feature missing, <223> OTHER INFORMATION:
L:164 M:258 W: Mandatory Feature missing, <220> FEATURE:
L:164 M:258 W: Mandatory Feature missing, <223> OTHER INFORMATION:
L:174 M:258 W: Mandatory Feature missing, <220> FEATURE:
L:174 M:258 W: Mandatory Feature missing, <223> OTHER INFORMATION:
L:183 M:258 W: Mandatory Feature missing, <220> FEATURE:
L:183 M:258 W: Mandatory Feature missing, <223> OTHER INFORMATION:
L:193 M:258 W: Mandatory Feature missing, <220> FEATURE:
L:193 M:258 W: Mandatory Feature missing, <223> OTHER INFORMATION:
L:194 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:19
L:194 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:19
L:194 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:19 after pos.:0
L:202 M:258 W: Mandatory Feature missing, <220> FEATURE:
L:202 M:258 W: Mandatory Feature missing, <223> OTHER INFORMATION:
L:211 M:258 W: Mandatory Feature missing, <220> FEATURE:

VERIFICATION SUMMARY

DATE: 10/08/2002

PATENT APPLICATION: US/09/943,944B

TIME: 14:02:44

Input Set : A:\Har-0651.app

Output Set: N:\CRF4\10082002\I943944B.raw

L:211 M:258 W: Mandatory Feature missing, <223> OTHER INFORMATION:
L:221 M:258 W: Mandatory Feature missing, <220> FEATURE:
L:221 M:258 W: Mandatory Feature missing, <223> OTHER INFORMATION:
L:230 M:258 W: Mandatory Feature missing, <220> FEATURE:
L:230 M:258 W: Mandatory Feature missing, <223> OTHER INFORMATION:
L:240 M:258 W: Mandatory Feature missing, <220> FEATURE:
L:240 M:258 W: Mandatory Feature missing, <223> OTHER INFORMATION:
L:1076 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:112 after pos.:0
L:1114 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:116 after pos.:0
L:1123 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:117 after pos.:0
L:1950 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:204 after pos.:0
L:2121 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:222 after pos.:0